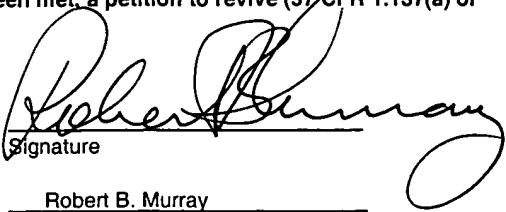


FORM PTO-1390	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 2923-754
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. Application No. (if known) <b>10/4579769</b> New Application
INTERNATIONAL APPLICATION NO. PCT/EP2004/013131	INTERNATIONAL FILING DATE November 18, 2004	PRIORITY DATE CLAIMED November 18, 2003
TITLE OF INVENTION <b>HIGHLY PARALLEL TEMPLATE-BASED DNA SYNTHESIZER</b>		
APPLICANT(S) FOR DO/EO/US Peer STAehler, Cord STAehler, Marku BEIER		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))        a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).        b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.        c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).        a. <input checked="" type="checkbox"/> is attached hereto.        b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))        a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).        b. <input type="checkbox"/> have been communicated by the International Bureau.        c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.        d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
ITEMS 11. TO 20. below concern other document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input checked="" type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

U.S. APPLICATION NO. (if known) New Application <b>102579769</b>		INTERNATIONAL APPLICATION NO. PCT/EP2004/013131	ATTORNEY DOCKET NO. 2923-754
<p>20. <input checked="" type="checkbox"/> Other items or information:  <input checked="" type="checkbox"/> RO/101 [ ] RO/105 [X] ISA/210(ISR) [ ] IB/301 [ ] IB/304 [X] IB/306 [ ] IB 401 [ ] IB/409(IPER)  [ ] IB/416 [ ] Published Application WO/</p>			
21. The following fees are submitted:		<u>CALCULATIONS</u>	<u>PTO USE ONLY</u>
<input checked="" type="checkbox"/> Basic National Fee ..... \$300.00		\$ 300	
22. <input checked="" type="checkbox"/> Examination Fee		\$ 200	
If the written opinion prepared by ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). All other situations ..... \$0 \$200.00			
23. <input checked="" type="checkbox"/> Search Fee		\$ 400	
If the written opinion of the ISA/US or the IPER prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Search Authority ..... \$0 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$100.00 All other situations ..... \$400.00 \$500.00			
		TOTAL OF 21, 22 AND 23 =	\$ 900
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.		\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Rate
- 100 =	/ 50 =		x 250 \$
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).		\$	
Claims	Number Filed	Number Extra	Rate
Total Claims	31 -20 =	11	X \$50.00 \$ 550
Independent Claims	2 - 3 =		X \$200.00 \$
Multiple dependent claim(s) (if applicable)		+ \$360.00	\$
		TOTAL OF ABOVE CALCULATIONS =	\$ 1,450
<input checked="" type="checkbox"/> Applicant claims small entity status. The fees indicated above are reduced by 1/2.		\$ 725	
		SUBTOTAL =	\$ 725
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+	\$
		TOTAL NATIONAL FEE =	\$ 725
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+	\$
		TOTAL FEES ENCLOSED =	\$ 725
		Amount to be refunded	\$
		Amount to be charged	\$

U.S. APPLICATION NO. (known) New application <b>401579769</b>	INTERNATIONAL APPLICATION NO. PCT/EP2004/013131	ATTORNEY DOCKET NO. 2923-754
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$ <u>725</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.</p>		
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>		
<p>SEND ALL CORRESPONDENCE TO:</p> <p>Customer No. 06449</p> <p>Rothwell, Figg, Ernst &amp; Manbeck 1425 K St., N.W. Washington, D.C. 20005 Phone: 202/783-6040</p>		
 <p>Signature</p> <p><u>Robert B. Murray</u></p> <p>Name</p> <p><u>22,980</u></p> <p>Registration Number</p>		